

Replacement Abstract

This invention relates to field of Visual Acuity Testing, specifically to animated / slide computerized vision testing system with a new "Digital Formula" for the measurement of visual acuity and vision testing for humans. A device for performing an eye test includes a display for animated visual acuity letters scalable dynamic letters, a computer to control the display and to link to a patient database, and the display having at least a contrast sensitivity of 400:1, a true rez visual acuity letter of 1°, screen resolutions of 1024 x 768 and ambient light > 4500. This system was also designed to be the first system to work on not one but three computer platform systems to achieve accurate and consistent vision testing results. Formulated to work on any digital screen this system was designed to replace a 60 year old idea (projection systems) that are still in use today. Todays vision testing methods are out dated and not certified with any kind of quality standard. With iQue A/VTs a doctor, if desired may pull up the same testing system on a 17" LCD monitor all the way up to and including a 104" Plasma system under the guidelines of the "Digital Formula". Using a Plasma Screen or the new OLED technology offers every patient a testing environment with static or motion images design with the new "Digital Formula" is a mathematical formula for vision acuity testing under "RealWorld" condition, standardizing all vision testing systems to date and ensuring a new measurement in quality control standards. iQueVision's goal is bring vision testing into the 21st Century. "Vision Testing will never look the same!"